



DSPIC33EP256MC506-I/PT

|                     |                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33EP256MC506-I/PT                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                  |
| Product description | IC MCU 16BIT 256KB FLASH 64TQFP                                                                                |
|                     |  1.DSPIC33EP256MC506-I/PT.pdf |
|                     |  2.DSPIC33EP256MC506-I/PT.pdf |
| Datasheets:         |                                                                                                                |
| RoHS Status         |  Lead free / RoHS Compliant   |
| Stock Condition     | 25075 pcs stock                                                                                                |
| Ship From           | Hong Kong                                                                                                      |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                          |

REQUEST FOR QUOTATION

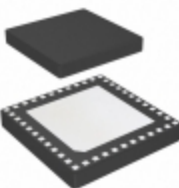
Specifications of DSPIC33EP256MC506-I/PT

|                                  |                                                                                                                                                                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33EP256MC506-I/PT                                                                                                                                                                                                               |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 16BIT 256KB FLASH 64TQFP                                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                           |
| QUANTITY AVAILABLE               | 25075 pcs                                                                                                                                                                                                                            |
| DATA SHEET                       |  1.DSPIC33EP256MC506-I/PT.pdf<br> 2.DSPIC33EP256MC506-I/PT.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 64-TQFP (10x10)                                                                                                                                                                                                                      |
| SPEED                            | 70 MIPS                                                                                                                                                                                                                              |
| SERIES                           | dsPIC™ 33EP                                                                                                                                                                                                                          |
| RAM SIZE                         | 16K x 16                                                                                                                                                                                                                             |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                |
| PROGRAM MEMORY SIZE              | 256KB (85.5K x 24)                                                                                                                                                                                                                   |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT                                                                                                                                                                        |
| PACKAGING                        | Tray                                                                                                                                                                                                                                 |
| PACKAGE / CASE                   | 64-TQFP                                                                                                                                                                                                                              |
| OTHER NAMES                      | DSPIC33EP256MC506IPT                                                                                                                                                                                                                 |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                    |
| NUMBER OF I/O                    | 53                                                                                                                                                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                           |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                    |
| DETAILED DESCRIPTION             | dsPIC dsPIC™ 33EP Microcontroller IC 16-Bit 70 MIPS 256KB (85.5K x 24) FLASH 64-TQFP (10x10)                                                                                                                                         |
| DATA CONVERTERS                  | A/D 16x10b/12b                                                                                                                                                                                                                       |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                               |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                |
| CONNECTIVITY                     | CANbus, I²C, IrDA, LINbus, QEI, SPI, UART/USART                                                                                                                                                                                      |
| BASE PART NUMBER                 | DSPIC33EP256MC506                                                                                                                                                                                                                    |

Related Tags

|                                                      |                                             |                                                               |
|------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33EP256MC506-I/PT | DSPIC33EP256MC506-I/PT Distributor          | DSPIC33EP256MC506-I/PT Supplier                               |
| DSPIC33EP256MC506-I/PT Price                         | DSPIC33EP256MC506-I/PT Pictures             | DSPIC33EP256MC506-I/PT Image                                  |
| DSPIC33EP256MC506-I/PT PDF Datasheet                 | DSPIC33EP256MC506-I/PT Download Datasheet   | DSPIC33EP256MC506-I/PT Datasheet                              |
| DSPIC33EP256MC506-I/PT Stock                         | Buy DSPIC33EP256MC506-I/PT                  | Buy Micrel / Microchip Technology DSPIC33EP256MC506-I/PT      |
| Micrel / Microchip Technology DSPIC33EP256MC506-I/PT | Micrel / Microchip Technology Supplier      | Micrel / Microchip Technology Distributor                     |
| Micrel / Microchip Technology DSPIC33EP256MC506-I/PT | Microchip Technology DSPIC33EP256MC506-I/PT | Roving Networks / Microchip Technology DSPIC33EP256MC506-I/PT |

Related Products

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|  <div><b>DSPIC33EP256MC506-H/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 64TQFP<br/>In stock: 5508 pcs<br/><div>RFQ</div></div>  |  <div><b>DSPIC33EP256MU806-E/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 64QFN<br/>In stock: 13767 pcs<br/><div>RFQ</div></div>   |
|  <div><b>DSPIC33EP256MC504T-I/TL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 44VTLA<br/>In stock: 5140 pcs<br/><div>RFQ</div></div> |  <div><b>DSPIC33EP256MC506-H/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 64QFN<br/>In stock: 3841 pcs<br/><div>RFQ</div></div>    |
|  <div><b>DSPIC33EP256MC506T-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 64TQFP<br/>In stock: 3085 pcs<br/><div>RFQ</div></div> |  <div><b>DSPIC33EP256MC506-I/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 64QFN<br/>In stock: 23219 pcs<br/><div>RFQ</div></div>   |
|  <div><b>DSPIC33EP256MC506T-E/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 64QFN<br/>In stock: 5427 pcs<br/><div>RFQ</div></div>  |  <div><b>DSPIC33EP256MC506T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 64TQFP<br/>In stock: 27957 pcs<br/><div>RFQ</div></div> |
|  <div><b>DSPIC33EP256MC506T-I/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 64QFN<br/>In stock: 4813 pcs<br/><div>RFQ</div></div>  |  <div><b>DSPIC33EP256MC506-E/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 64QFN<br/>In stock: 26981 pcs<br/><div>RFQ</div></div>   |
|  <div><b>DSPIC33EP256MU806-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 64TQFP<br/>In stock: 11510 pcs<br/><div>RFQ</div></div> |  <div><b>DSPIC33EP256MC506-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 64TQFP<br/>In stock: 20860 pcs<br/><div>RFQ</div></div>  |